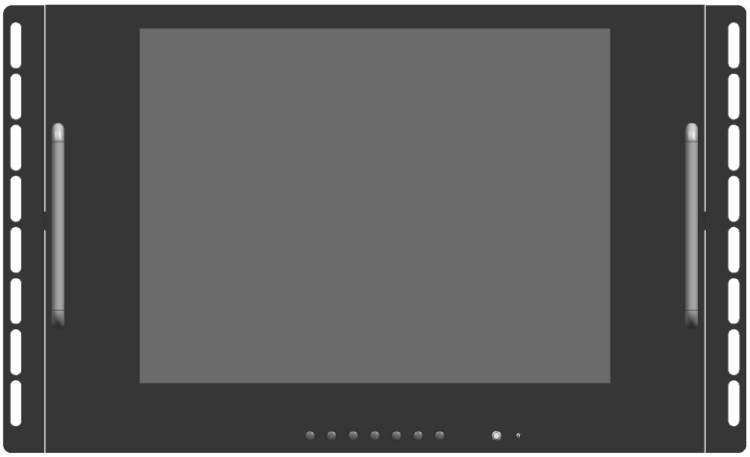
ViewZ

15-INCH RACK
TFT-LCD MONITOR



USER MANUAL

Please read this manual thoroughly before use, and keep it handy for future reference.

CONTENTS

SAFETY INSTRUCTION …… 2 ~ 3

CAUTIONS …….... 4

FCC RF INTERFERENCE STATEMENT …….... 5

CONNECTING WITH EXTERNAL EQUIPMENT …… 6

REMOTE FUNCTIONS …… 7

CONTROLS AND FUNCTIONS …….. 8 ~ 12

MOUNTING GUIDE …….. 13

D-SUB CONNECTOR PIN ASSIGNMENTS …… 14

POWER MANAGEMENT …… 15

SPECIFICATIONS …… 16

TROUBLE SHOOTING GUIDE ……..... 17

This Monitor was
Manufactured by ISO 9001
Certified Factory

Important Safety Instruction

1. Read these instructions.
2. Keep these Instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers,stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug.
   Apolarized plug has two blades with one wider than the other.
   Agrounding type plug has two blades and a third grounding prong.
   The wide blade or the third prong are provided for your safety.
   If the provided plug does not fit into your outlet, consult an electrician for replacement of the bsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
11. Only use attachment/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

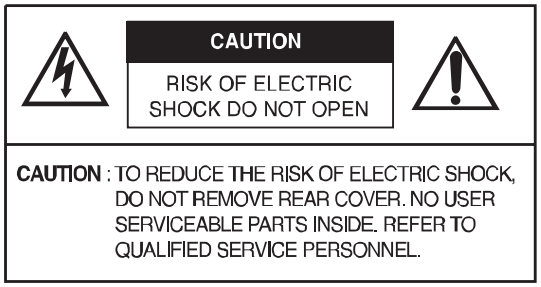
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus the apparatus has been exposed to rain or moisture does not operate normally or has been dropped.

SAFETY INSTRUCTION

- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed no the apparatus.
- Minimum distances(e.g. 10cm) around the apparatus for sufficient ventilation.

“WARNING – To reduce the risk of fire or electric shock, do not expose the apparatus to rain or moisture.”

“The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.”


CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER. NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated : dangerous voltage with in the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance(servicing) instructions in the literature accompanying the appliance.

CAUTIONS

CAUTION

The power supply cord is used as the main disconnect device, ensure that the socket-outlet is located/installed near the equipment and is easily accessible.

ATTENTION

Le cordon d`alimentation est utillsé comme interrupteur général. La prise de courant doit être située ou installée à proximité du matériel et être facile d`accès

CAUTION TO SERVICE PERSONNEL

POWER SUPPLY CORD IS USED AS MAIN POWER DISCONNECT DEVICE IN THIS PRODUCT. UNPLUG THIS PRODUCT FROM THE WALL OUTLET BEFORE REMOVING THE BACK COVER AND SERVICING

EMISSION CHARACTERISTICS TESTED BY SEMKO

THIS PRODUCT HAS BEEN TESTED AND HAS SHOWN COMPLIANCE WITH THE NATIONAL SPECIFICATIONS SUCH AS SWEDISH MPR 1990.10.(MPR II)

▶ **NEVER REMOVE THE BACK COVER**

Removal of the back cover should be carried out only by qualified personnel.

▶ **DO NOT USE IN HOSTILE ENVIRONMENTS**

To prevent shock or fire hazard, do not expose the unit to rain or moisture.

This unit is designed to be used in the office or home. Do not subject the unit to vibrations, dust of corrosive gases.

▶ **KEEP IN A WELL VENTILATED PLACE**

Ventilation holes are provided on the cabinet to prevent the temperature from rising.

Do not cover the unit or place anything on the top of unit.

▶ **AVOID HEAT**

Avoid placing the unit in direct sunshine or near a heating appliance.

▶ **TO ELIMINATE EYE FATIGUE**

Do not use the unit against a bright back ground and where sunlight or other light sources will shine directly on the monitor.

▶ **BE CAREFUL OF HEAVY OBJECT**

Neither the monitor itself nor any other heavy object should rest on the power cord.

Damage to a power cord can cause fire or electrical shock.

FCC RF INTERFERENCE STATEMENT

NOTE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio, TV technician for help.
- Only shielded interface cable should be used.

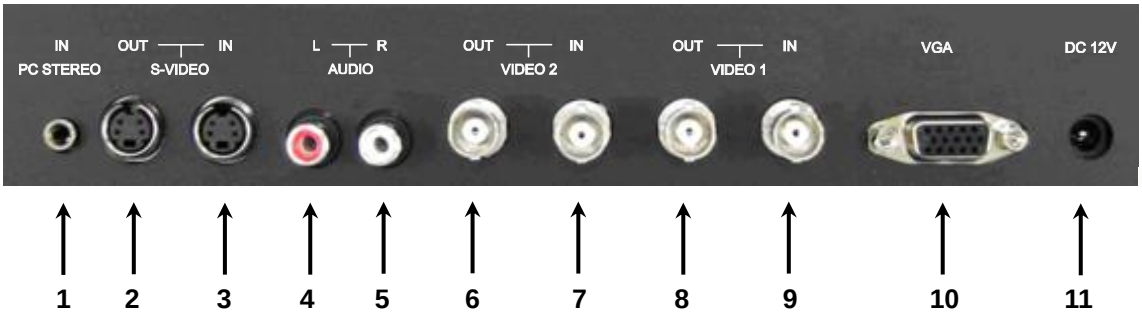
Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment.

▶ DOC COMPLIANCE NOTICE

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the radio interference regulation of Canadian Department of communications.

CONNECTING WITH EXTERNAL EQUIPMENT

A. BOTTOM PANEL CONTROL



1. PC STEREO IN

2. S-VIDEO (Y/C) OUT

Y/C separated signal looping output

3. S-VIDEO (Y/C) IN

Y/C separated signal input

4. AUDIO L

Stereo Audio Signal Input, This input is for AV2

5. AUDIO R

Stereo Audio Signal Input, This input is for AV1,S-VIDEO

6. VIDEO 2(AV2) OUT

Video looping output for AV2

7. VIDEO 2(AV2) IN

Composite signal Input for AV2

8. VIDEO 1(AV1) OUT

Video looping output for AV1

9. VIDEO 1(AV1) IN

Composite signal Input for AV1

10. D-SUB IN

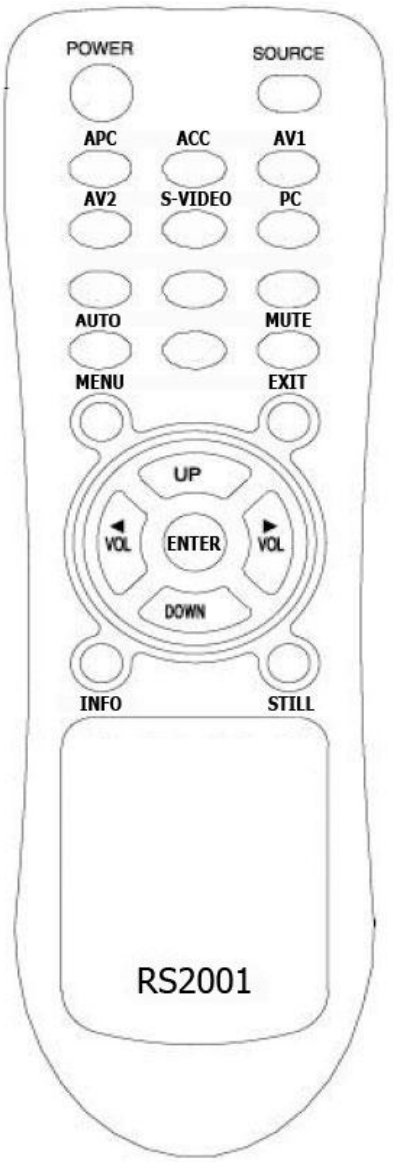
PC Signal Input

11. DC 12V IN

REMOTE FUNCTIONS

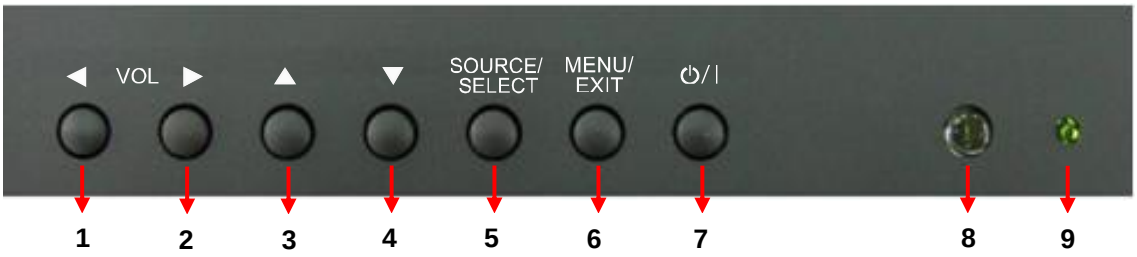
B. REMOTE CONTROLLER(Optional)

1. POWER(⏻)
Turns the power ON or OFF.
There will be a few seconds delay before the display appears.
2. SOURCE
Selects an input source.
3. APC (Auto Picture Control)
Selects a picture mode.
4. ACC (Auto Color Control)
Selects a color mode.
5. AV1
Select AV1 mode
6. AV2
Select AV2 mode
7. S-VIDEO
Select S-VODEO mode
8. PC
Select PC mode
9. AUTO
Auto geometry adjustment in PC Source.
10. MUTE
Mutes the sound.
11. MENU
Activates and exits the On Screen Display.
12. EXIT
Exits the On Screen Display.
13. VOL(◀ & ▶)
Increases or decreases the level of audio volume.
14. UP & **DOWN**
Moves upwards or downwards in OSD menu.
15. ENTER
Enters an OSD submenu or accepts your selection
16. INFO
Displays the information about input source.
17. STILL
Pauses the picture.



CONTROLS AND FUNCTIONS

C. FRONT & BOTTOM KEY CONTROL



1, 2. ◀ VOL ▶

Adjust menu settings. / Adjust the volume

3, 4. ▼ ▲

This button allows user to enter the sub-menu of the activated function
when down key is pressed on the main menu.

5. SOURCE / SELECT

Select input source, and move the previous menu.

6. MENU / EXIT

Activates and exits the On Screen Display.
This button can also be used to move previous menu or status.
OSD MENU (MAIN) : Input Source, Screen, Audio, OSD, Color, Utility, Exit.

7. POWER ON/OFF(⏻ / I)

Turns the power ON or OFF. There will be a few seconds delay before the display appears.

8. IR Sensor

Remote controller sensor.

9. POWER LED

The power LED(next to the power switch) lights with green when the power is turned ON.
The power is turned off by pressing the power switch again and the power LED goes Red.

CONTROLS AND FUNCTIONS

OSD MENU DESCRIPTION

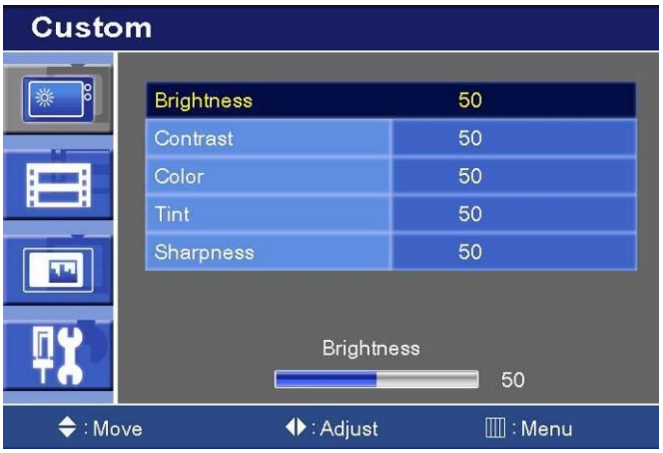
All picture, sound settings and setup for the monitor can be adjusted in the OSD menu.

(**O**n **S**creen **D**isplay)

To adjust the OSD screen:

1. Press the **Menu** button to enter the OSD menu.
2. Press the ▲/▼ buttons to select the desired option. The selected option is highlighted.
3. Press the ▶ button to enter the submenu for adjusting items.
4. Change the value you wish to adjust by using the ▲/▼ buttons.
5. Press the ◀ button to exit the submenu for adjusting items.
6. Press the **Menu** button to exit the OSD menu.

A. Custom



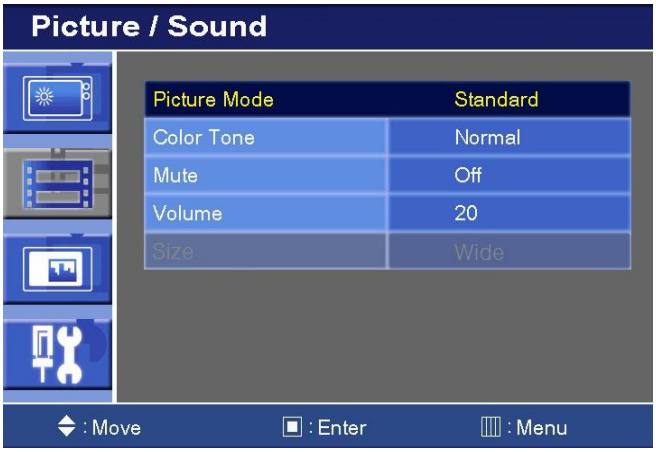
Option	Function	Value
Brightness	Adjusts brightness of the screen.	0 ~ 100.
Contrast	Adjusts intensity of the image.	0 ~ 100.
Color [1)]	Adjusts color of the picture.	0 ~ 100.
Tint [2)]	Adjusts tint of the picture.	0 ~ 100.
Sharpness [1)]	Adjusts sharpness of the picture.	0 ~ 100.

1) Unavailable in PC input.

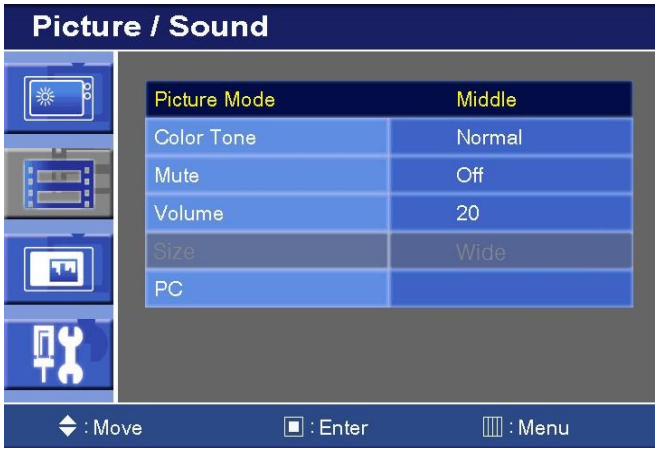
2) Unavailable in PAL system.

CONTROLS AND FUNCTIONS

B. Picture/Sound



< AV1, AV2 & S-Video >



< PC >

Option	Function	Value
Picture Mode	Sets picture mode.	See table below.
Color Tone	Sets color tone.	See table below.
Mute	Mutes speaker sound.	Off or On.
Volume	Adjust the level of audio volume.	0 ~ 100.
Size	Inactivated.	
PC [1)]	See table below.	

1) Unavailable in AV 1, AV2 & S-Video inputs.

Picture Mode (In AV1, AV2 & S-Video inputs)

Custom	Applies user selected values (Brightness, Contrast, Tint and Sharpness).
Dynamic	Provides enhanced contrast and sharpness.
Standard	Provides standard contrast and sharpness.
Movie	Is recommended for viewing film-based content.
Mild	Reduces contras and sharpness.

Picture Mode (In PC input)

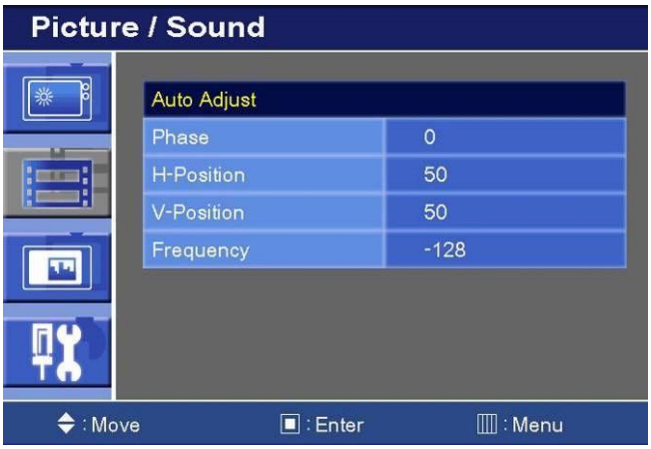
Custom	Applies user selected values (Brightness and Contrast).
High	Increases the contrast of picture.
Middle	Provides standard brightness and contrast.
Low	Decreases the brightness and contrast of picture.

Color Tone

Custom [1)]	To manually adjust the color tones(Red, Green and Blue).
Cool	Gives the white color a bluish tint.
Normal	Gives the white color a neutral tint.
Warm	Gives the white color a reddish tint.

1) Unavailable in AV1, AV2 & S-Video.

PC



Option	Function	Value
Auto Adjust	Auto geometry adjustment.	
Phase	Adjusts the number of horizontal picture elements.	0 ~ 100.
H-Position	Adjusts the horizontally picture position.	0 ~ 100.
V-Position	Adjusts the vertically picture position.	0 ~ 100.
Frequency	Adjusts the vertical noise of screen image.	0 ~ 100.

C. Setup

Option	Function	Value
Reset	Resets the monitor settings to their factory default.	
Language	Sets the language of the OSD menu.	English, French, Deutsch, Italian, Spanish, Portuguese or Nederland.
OSD Tone	Changes background of monitor menus (e.g. input source & information).	Transparency or Blue.
Blue Screen	Displays a blue screen if the monitor receives no signal.	Off or On.
Key Lock[1)]	Locks all buttons of the monitor. **Note**: Use remote controller to unlock.	Off or On.

1) How to unlock

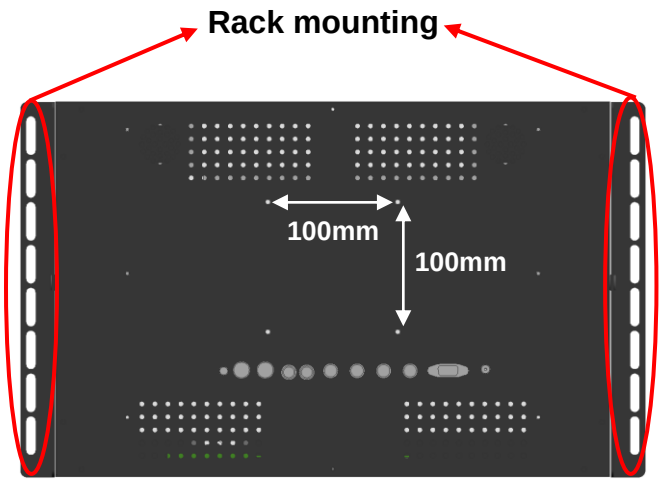
① On the front key: Press the SOURCE/SELECT and MENU button at the same time over 3 seconds.

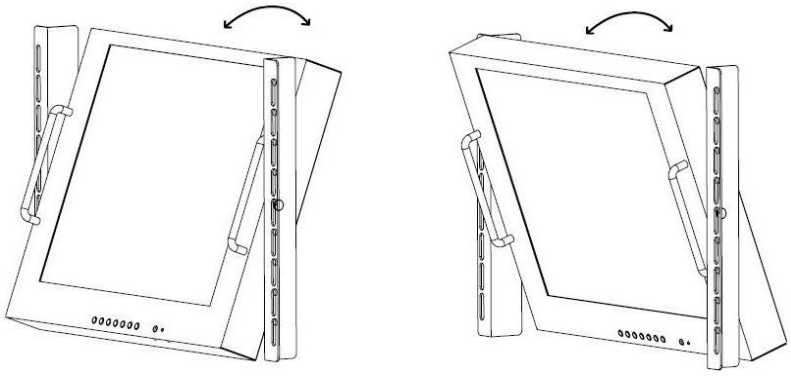
② On the Remote Controller: The Remote Controller operates well because the Key Lock function is only allowed for the front key of this product.

MOUNTING GUIDE

Wall mountable using two methods:

1) Using the both sides pre-cut holes to rack mounting.
2) Using the VESA standard wall mount design and the 100mm holes pattern on the back panel to install the LCD monitor to the wall.



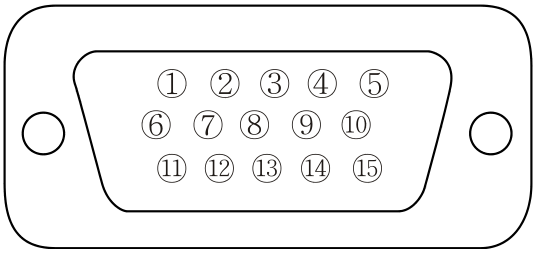


D-SUB CONNECTOR PIN ASSIGNMENTS

▶ PIN ASSIGNMENTS

Pin 1	RED VIDEO	9	
2	GREEN VIDEO	10	SIGNAL CABLE DETECT
3	BLUE VIDEO	11	GROUND
4	GROUND	12	SDA(for DDC)
5	GROUND	13	H-SYNC.(or H+V SYNC.)
6	RED GROUND	14	V-SYNC.
7	GREEN GROUND	15	SCL(for DDC)
8	BLUE GROUND		

D-SUB



▶ ACCESSORIES

1. POWER CORD
2. USER'S MANUAL
3. PC cable
4. Adaptor
5. Remote Control
6. Batteries
7. Wall mount (Option)
8. Rack mount (Option)

POWER MANAGEMENT

POWER CONSUMPTION

MODE	POWER CONSUMPTION
ON	< 36W
STANDBY	< 5W
SUSPEND	< 5W
ACTIVE OFF	< 5W

LED INDICATOR

The power management feature of the monitor is comprised of four stages:
On(Green), Standby, Suspend, Active off(Red on/off 1 sec) and Unsupported mode(Green).

MODE	LED COLOR	MONITOR OPERATION
ON	GREEN	Normal Operation
STANDBY	AMBER	Screen blanks after preset idle time
SUSPEND		And some electronic circuits or all
ACTIVE OFF		Circuitry in the monitor shut down.
UNSUPPORTED MODE	GREEN	Normal operation but the on screen Display will show error massage
POWER OFF	RED	Not Operation

SPECIFICATIONS

	15"
LCD-Type	15″ Diagonal AM-TFT(Active-Matrix)
	Pixel pitch (mm): 0.297(H) x 0.297(V)
	BRIGHTNESS: 225cd/㎡(Typical)
	CONTRAST RATIO: 600:1(Typical)
	RESPONSE TIME: 8ms(Typical)
RESOLUTION (H x V)	1024x768@60Hz
FREQUENCY	HORIZONTAL: 31~48kHz VERTICAL: 56~75Hz
INPUT SIGNAL	VGA(RGB-PC)
	VIDEO (2ch input 1.0Vp-p, 75Ω terminated, loop-through out)
	S-VIDEO(1ch input (Y/C), loop-through out)
	AV(composite) Sound in
	PC Stereo Sound
ACTIVE DISPLAY AREA (W x H)	304.1mm x 228.1mm
PACKING DIMENSIONS (W x H x D)	533mm x 440mm x 153mm
WEIGHT	Net Weight : 4.8kg
	Gross Weight : 6.6kg
ELECTRICAL RATINGS	DC 12V / 3A

▶▶ **NOTE :**

Technical specifications are subject to change without notice.

TROUBLESHOOTING GUIDE

TROUBLE	TROUBLESHOOTING TIP
No image on display screen	1. Check that power cord of the Monitor have been connected securely into wall outlet or grounded extension cable or strip. 2. Power switch should be in the ON position and LED is lit. 3. Check that the Brightness and/or the Contrast adjustments of the Display have not been turned down to minimum levels.
"Going to Sleep" message on screen	1. The signal cable should be completely connected to the video card/computer. 2. The video card should be completely seated in its slot and the computer is switched ON.
Display image is not centered, too small or too large in PC mode	Push the down key in front side or Auto key in remote controller.
Vertical or Horizontal noise is present in the picture	Adjust Clock and Phase in the OSD.

WEEE Symbols

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)
(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

MEMO

MEMO

MEMO